United States Department of Agriculture
Natural Resources Conservation Service
MLRA 11 Office, Indianapolis, Indiana
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Fourth Amendment of the Classification and Correlation of the Soils of Clark County, Indiana

This fourth amendment was prepared by Byron G. Nagel, Resource Soil Scientist (formerly MLRA Project Leader), North Vernon, Indiana, and by Gary R. Struben and Tonie J. Endres, Soil Data Quality Specialists, MLRA Region 11, Indianapolis, Indiana.

Page 14, Soil Correlation of Clark County, Indiana: Add a comma after the component name Blocher. Should be:

JafC2 Jennings-Blocher, hard bedrock substratum, silt loams, 6 to 12 percent slopes, eroded
JafC3 Jennings-Blocher, hard bedrock substratum, silt loams, 6 to 12 percent slopes, severely eroded

Page 28. Cooperators' Names and Credits: Delete the statement "Financial assistance was made available by the Clark County Soil and Water Conservation District."

Page 39, Notes to Accompany Classification and Correlation: Add the following notes.

Blocher Series	The Blocher soils in the BfcC2 map unit are in the fine-loamy PSC and therefore considered a taxadjunct. The components in the BfcC2, BfcC3, JafC2 and JafC3 map units have the following properties populated in the NASIS database that are outside the Blocher series range: in the lower part of the Bt horizon, the clay content ranges from 30 to 55 percent and the sand content ranges from 10 to 38 percent. In addition, the textural class includes silty clay.
Bonnie Series	The Bonnie soils in cultivated areas have the upper part of the Cg horizon influenced by liming practices, and therefore ranges to slightly acid as reflected in the Typical Pedon for the MLRA. The NASIS DMU horizon data is populated for a very strongly acid to slightly acid range, but the Rv value is populated as strongly acid.
Caneyville Series	The Caneyville soils have the following property outside the current OSD RIC: a silt loam texture range in the upper part of the argillic horizon (Bt horizon).
Cincinnati Series	The Cincinnati soils in MLRA 114A have the following properties outside the current OSD RIC: the depth to the fragipan for severely eroded pedons ranges from 10 to 20 inches; a loam texture in the 2Btx horizon range; for the CkkB2 map unit, pedons do not have some part of the argillic horizon above a depth of 60 inches that averages more than 4 percent rock fragments; the depth to the water table for the CkkB2 and CldC2 map units ranges to an upper depth of 1.7 feet, and for the CldC3 map unit it ranges to an upper depth of 1 foot.
Coolvllle Series	The Coolville soils in Indiana are correlated in MLRA 120C. These properties are outside the OSD RIC: value of 5 in the A horizon; chroma of 4 to 6 in the Ap horizon (severely eroded pedons); pararock content range of 30 to 70 percent and a low clay content range of 30 percent in the 2BC or 2CB horizon. The Coolville

	soils in MLRA 120C typically have ironstone rock fragments in the 2Bt and 2BC horizons which is not mentioned in the OSD.
Crider Series	The Crider soils in Indiana in MLRA 122 have the following properties outside the current OSD RIC. Three lithologic discontinuities are recognized. Some Crider soils partially formed from slope alluvium, which is between the loess and residuum, and considered a lithologic discontinuity. This material is strong brown to dark reddish brown silt loam or silty clay loam. The following are also outside the OSD RIC: very strongly acid pH range above a depth of 40 inches and 7.5YR hue in the lower 3Bt horizon that occurs below a depth of 60 inches.
Hatfield Series	The Btg/Btx or Btx horizon ranges to moderately acid in the upper part which is outside the OSD range of very strongly acid to strongly acid in the upper part.
Haubstadt Series	The Haubstadt soils in Clark County have value of 6 in the range for the Bt horizon, which is outside the OSD range of 4 or 5.
Huntington Series	The following property is outside the range of the Huntington Series: the depth to the base of the cambic horizon ranges from 60 to more than 80 inches which is deeper than the defined series range of 40 to 70 inches.
Jessietown Series	The Jessietown soils in Clark County dominantly have pararock fragments rather than rock fragments.
Lindside Series	The following property is outside the range of the Lindside Series: the depth to the base of the cambic horizon ranges from 60 to more than 80 inches which is deeper than the OSD range of 25 to 60 inches.
Newark Series	The depth to the base of the cambic horizon ranges from 60 to more than 80 inches. The depth to the base of soil development is not clearly defined in the Newark Series OSD.
Rarden Series	The Rarden soils in Indiana are correlated in MLRA 120C. These properties are outside the OSD RIC: value of 5 and chroma of 4 in the A horizon; and pararock fragment content range of 30 to 70 percent, and therefore parachannery to extremely parachannery analogues. In addition, Rarden soils in MLRA 120C typically have a thin loess mantle (up to 14 inches) and often have ironstone rock fragments in the 2Bt and 2BC horizons which are not mentioned in the OSD.
Rohan Series	The Rohan soils in Clark County have the following properties are outside the OSD RIC: the A horizon ranges to 3 percent minimum rock fragment content, which is less than the OSD minimum range of 5 percent; and value of 3 in the Bw horizon.
Shircliff	The Shircliff soils in the HcdC2 and HceC3 map units typically are on the thinner side of the range for depth to base of the argillic horizon and have a 2C horizon within a depth of 60 inches. In addition, these soils have a 2BC horizon that ranges from neutral to slightly alkaline with a calcium carbonate equivalent range of 0 to 25 percent, which are outside the OSD range of slightly alkaline or moderately alkaline with a calcium carbonate equivalent range of 10 to 45 percent.

Trappist Series	The Trappist soils have the following properties outside the OSD RIC: chroma of 6 in the Ap horizon; and presence of parachanner fragments in the solum.

Page 31, Replace the Conventional and Special Symbols Legend with the Indiana Feature and Symbols Legend for Soil Survey.

Indiana Official 37A For
Compilation, Digitizing, and DMF
Revised June 30, 2004

Soil Survey Area: Clark County

State: Indiana

FEATURE AND SYMBOL LEGEND FOR SOIL SURVEY

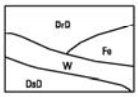
U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

Date: January 2007

DESCRIPTION	SYMBOL

SOIL SURVEY FEATURES

SOIL DELINEATIONS AND LABELS



STANDARD LANDFORM AND MISCELLANEOUS SURFACE FEATURES

- ★ Bedrock escarpment
- ★ Nonbedrock escarpment
- Gully
- Levee
- ★ Short steep slope
- Blowout
- Borrow pit
- Clay spot
- Closed depression
- Gravel pit
- Gravelly spot
- Landfill
- Marsh or swamp
- ★ Mine or quarry
- Rock outcrop
- Sandy spot
- Severely eroded spot
- ★ Sinkhole
- Slide or slip
- Spoil area
- Stony spot
- Very stony spot
- Wet spot

AD HOG FEATURES (Describe on back)

LABEL	SYMBOL ID	SYMBOL	LABEL	SYMBOL ID	SYMBOL
DCS	1		CRO	23	
DKS	2		MIA	24	
OVW	3		CGM	25	
YMS	4		HIL	26	
EAS	5			27	
WAS	6		SID	28	
SAS	7			29	
CAF	8		MUC	30	
CAL	9			31	
SLR	10			32	
DUM	11			33	
BRV	12			34	
DRM	13		MRL	35	
BRD	14			36	
OBR	15			37	
SSR	16		SAM	38	
LBR	17			39	
WDP	18		VSE	40	
SBR	19			41	
COB	20			42	
CNS	21			43	
FES	22		UNT	44	

CULTURAL FEATURES (Optional)

BOUNDARIES

- National, state or province
- County or parish
- Minor civil division
- Reservation (Military)
- Land grant (Optional)
- Field sheet matchline and neatline
- Public Land Survey System Section Corner Tics

GEOGRAPHIC COORDINATE TICK

ROAD EMBLEMS

- Interstate
- Federal
- State

LOCATED OBJECTS

Airport (Label only) Davis Airport or Airstrip

HYDROGRAPHIC FEATURES (Optional)

- Drainage end (indicates direction of flow)
- Unclassified stream

Page 44, Classification of the Soils of Clark County, IN

For Newark, change classification from Fine-silty, mixed, active, nonacid, mesic Fluvaquentic Endoaquepts to Fine-silty, mixed, active, nonacid, mesic Fluventic Endoaquepts

For Stendal, change classification from Fine-silty, mixed, active, acid, mesic Fluvaquentic Endoaquepts to Fine-silty, mixed, active, acid, mesic Fluventic Endoaquepts

For Aquents, change classification from Aquents to Clayey Aquents

Approval Signatures and Date

_____	_____	_____	_____
Travis Neely Soil Survey Region 11 Team Leader Indianapolis, Indiana	Date	Jane E. Hardisty State Conservationist Indianapolis, Indiana	Date